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Canada. Bureau of Statistics
Post graduate students in arts
and science, English-language uni-
versities in Canada, session 1948-
49

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D.B.S. REFERENCE PAPERS, 1949

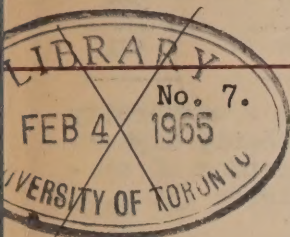
Dominion Bureau of Statistics, Ottawa, Canada

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81-D-73

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Post Graduate Students in Arts and Science,
English-Language Universities in Canada, Session 1948-49

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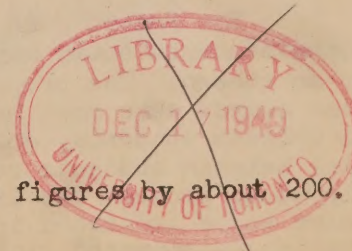
A questionnaire was addressed to the Heads of Departments in the Faculties of Arts and Science in all English-language Universities in Canada during March 1949, primarily to discover the extent and nature of financial assistance available to post graduate students. The absence of Departmental organization in the French-language universities made use of the same questionnaire inadvisable. Faculties other than Arts and Science in the English-language universities were not covered.

Returns for Humanities and Social Science Departments were practically complete. Three comparatively large Departments in the Pure Science group did not provide returns: Chemistry and Mathematics at McGill, Physics at Toronto, also two smaller Departments of Biology, viz., McMaster and New Brunswick.

Numbers in Canada, and Abroad.

The number of post graduate students reported in attendance at the universities included may be summarized as follows from the detailed tabulations by Departments on subsequent pages:

	<u>Maritime Provinces</u>	<u>Central Provinces</u>	<u>Western Provinces</u>	<u>Canada</u>
Humanities	20	390	123	533
Social Sciences	37	667	42	746
Pure Sciences	37	393 ^x	224	654 ^x
Total	<u>94</u>	<u>1450^x</u>	<u>389</u>	<u>1933^x</u>



x Full reporting would probably have increased these figures by about 200.

Prepared in the Education Division.

The reporting Departments had knowledge of the following numbers of their former students doing post graduate work outside Canada:

	<u>Maritimes</u>	<u>Central</u>	<u>Western</u>	<u>Canada</u>
Humanities	8	87	37	132
Social Sciences	14	103	59	176
Pure Sciences	30	113	133	276
Total	<u>52</u>	<u>303</u>	<u>229</u>	<u>584</u>

In other words, roughly one student is known to be attending a university outside Canada for each three attending here. The actual ratio is probably higher than one to three. About 80 p.c. are in the United States. The proportion of students reported to be outside Canada is considerably higher in Pure Science (30 p.c.) than in the Humanities and Social Sciences (about 20 p.c. each).

Scholarships Held in Canada and Abroad.

A high proportion of the students who have gone outside Canada for post graduate work have done so on scholarships or fellowships, as may be seen by comparing the following summary with the one immediately preceding.

Students outside Canada holding scholarships or fellowships.

	<u>From Maritimes</u>	<u>From Central Provinces</u>	<u>From Western Provinces</u>	<u>Canada</u>
Humanities	7	62	33	102
Social Sciences	11	65	39	115
Pure Sciences	28	74	105	207
Total	<u>46</u>	<u>201</u>	<u>177</u>	<u>424</u>

The actual number of Canadian post graduate students holding scholarships or fellowships abroad is much larger than the number holding similar awards in Canadian universities, - 424 as compared with 266.

Scholarships and Fellowships held in Canadian universities.

	<u>From Maritimes</u>	<u>Central Provinces</u>	<u>Western Provinces</u>	<u>Canada</u>
Humanities	3	18	4	25
Social Sciences	3	40	1	44
Pure Sciences	19	83	95	197
Total	<u>25</u>	<u>141</u>	<u>100</u>	<u>266</u>

The great difference is almost entirely due to the situation in the Humanities and Social Sciences. There are four Canadian Humanities students abroad on scholarships or fellowships for every one in Canada, and almost three Social Science students abroad for each one at home.

The record does not indicate what proportions of the Humanities and Social Science students could have remained in Canada under the terms of their awards had they so chosen. The proportions may have been larger, in part because relatively more of the awards were made by universities in the United States than in the case of the Pure Science students, and in part because relatively more of the Humanities and Social Science students considered that the Canadian universities were less well equipped to provide the instruction they sought. In either case some weakness appears to be indicated in the Canadian provision for Social Science and Humanities students, as compared with provision for those in Pure Science.

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Value of Scholarships Held in Canada.

No record was obtained of the value of scholarships held abroad, but the record for those held in Canada is as follows:

	<u>Under \$500</u>	<u>\$500- \$999</u>	<u>\$1000 & over</u>	<u>Not stated</u>
Humanities	16	9	-	-
Social Sciences	13	21	10	-
Pure Sciences	53	123	16	5

The Humanities are completely lacking in awards worth as much as \$1000, while the Social Sciences have 10 and the Pure Sciences 16. They have only 9 worth as much as \$1500.

By comparing this summary with the first one given above, it will be seen that fewer than 5 p.c. of Humanities post graduate students in the Canadian universities hold scholarships, and only 6 p.c. of Social Science students, as compared with 30 p.c. of Pure Science students.

Part Time Employment.

Financial assistance is available to some students through part time employment in their Department as instructor, lecturer, teaching fellow, reader, class assistant, demonstrator or research assistant. The numbers thus aided were as follow:

	<u>Maritimes</u>	<u>Central Provinces</u>	<u>Western Provinces</u>	<u>Canada</u>
Humanities	10	92	39	141
Social Sciences	8	158	16	182
Pure Sciences	29	249	180	458
Total	<u>47</u>	<u>499</u>	<u>235</u>	<u>781</u>

Here again the Pure Science students are more frequently in remunerative circumstances. About 70 p.c. of them are paid. Although there is some duplication between these and the 30 p.c. holding scholarships, it is apparent that not more than 10 p.c. or 20 p.c. are without remuneration of some kind while studying.

About 25 p.c. of the Humanities and Social Science students derive some remuneration from employment in their Departments. These together with the 5 p.c. on fellowship or scholarship leave 70 p.c. with no remuneration provided.

Remuneration for Employment.

Some conception of the range of remuneration is provided by the following summary:

	<u>Under \$100</u>	<u>\$100 to \$499</u>	<u>\$500 to \$999</u>	<u>\$1000 to \$1999</u>	<u>\$2000 & over</u>	<u>Not stated</u>
Humanities	13	50	58	13	4	3
Social Sciences	-	105	41	26	4	3
Pure Sciences	16	150	218	52	5	17

The median remuneration for the Social Science group is below \$500, for the Humanities group above \$500, and for the Pure Science group about \$600.

Time Taken by Employment.

Heads of Departments were asked to indicate what amount of the students' time was required by the duties for which they were paid. While returns were not entirely satisfactory, the following is a summary for the Humanities and Social Science groups.

<u>Class hours re- quired weekly</u>	<u>Humanities Students</u>	<u>Social Science Students</u>
6 hours or less	86	134
7 - 12 hours	14	9
13 hours or more	4	-
Not stated	37	39

When duties in addition to those required in the classroom were considered 32 of the Humanities students were shown to have more than six hours required of them as compared with 76 serving six hours or less and 33 unspecified. In the Social Science group 72 worked more than six hours, 77 six hours or less, and 33 were not reported.

Restriction on Residence Credit.

Practically all of the Social Science students were reported to be allowed full residence credit in spite of employment. The Humanities Departments appear to be less liberal in this respect: Full residence credit for the year was allowed to 89, part of a year only to 43 (usually $\frac{1}{2}$ year), 9 unreported.

Tabular Statements.

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Summary for Humanities Departments

	<u>Maritime Provinces</u>	<u>Central Canada</u>	<u>Western Provinces</u>	<u>Canada</u>
P.G. Students in attendance:	20	390	123	533
Undergraduate work taken in same university	16	181	107	304
P.G. Students employed by universities:	10	92	39	141
(1) Part time Instructors or Lecturers	1	14	3	18
(2) Teaching fellows	2	46	2	50
(3) Readers, Class Assistants and Demon- strators	5	30	25	60
(4) Research Assistants	-	-	7	7
(5) Other work in university	2	2	2	6
Sessional Earnings of above:				
Under \$100	-	7	6	13
\$100 - 499	5	26	19	50
500 - 999	2	46	10	58
1000 - 1499	-	-	-	-
1500 - 1999	-	12	1	13
2000 - 2499	1	-	3	4
Not stated	2	1	-	3
Scholarships and Awards held:	3	18	4	25
(1) Restricted to Departmental Subject:	3	6	4	13
(2) Open to subjects in other Departments:	-	12	-	12
Value of Awards held for the year:				
Under \$100	-	-	2	2
100 - 499	3	10	1	14
500 - 999	-	8	1	9
1000 - and over	-	-	-	-
Graduate Students pursuing Post graduate studies outside Canada, Total:	8	87	37	132
In United States:				
With scholarships or fellowships	5	40	17	62
Without scholarships or fellowships	1	18	3	22
In United Kingdom:				
With scholarships or fellowships	2	12	5	19
Without scholarships or fellowships	-	3	-	3
In Other Countries:				
With scholarships or fellowships	-	10	11	21
Without scholarships or fellowships	-	4	1	5

Departments of English

	<u>Maritime Provinces</u>	<u>Central Canada</u>	<u>Western Provinces</u>	<u>Canada</u>
P.G. Students in attendance:	19	147	40	206
Undergraduate work taken in same university:	15	75	37	127
P.G. Students employed by universities:	9	62	13	82
(1) Part time Instructors or Lecturers	-	5	-	5
(2) Teaching fellows	2	36	-	38
(3) Readers or Class Assistants	5	21	11	37
(4) Research Assistants	-	-	-	-
(5) In other work	2	-	2	4
Sessional Earnings:				
Under \$100	-	7	6	13
\$100 - 499	5	14	4	23
500 - 999	2	37	3	42
1000 - 1499	-	-	-	-
1500 - 1999	-	4	-	4
2000 - 2499	-	-	-	-
2500 and over	-	-	-	-
Not stated	2	-	-	2
Scholarships and Awards held:	3	6	1	10
(1) Restricted to Departmental subject:	3	1	1	5
(2) Open to subjects of other Departments:	-	5	-	5
Value of Awards for the year:				
Under \$100	-	-	-	-
\$100 - 499	3	1	-	4
500 - 999	-	5	1	6
Graduate Students pursuing P.G. studies outside Canada:	7	29	8	44
In United States:				
With scholarships or fellowships	5	12	3	20
Without scholarships or fellowships	-	7	2	9
In United Kingdom:				
With scholarships or fellowships	2	8	2	12
Without scholarships or fellowships	-	2	-	2
In Other Countries:				
With scholarships or fellowships	-	-	1	1
Without scholarships or fellowships	-	-	-	-

Modern Language Departments

	<u>Maritime</u> <u>Provinces</u>	<u>Central</u> <u>Canada</u>	<u>Western</u> <u>Provinces</u>	<u>Canada</u>
P.G. Students in attendance:	1	74	14	89
Undergraduate work taken in same university:	1	42	13	56
P.G. Students employed by universities:				
(1) Part time Instructors or Lecturers	1	9	3	13
(2) Teaching Fellows	-	9	2	11
(3) Readers or Class Assistants	-	1	-	1
(4) Research Assistants	-	-	-	-
(5) Other work	-	-	-	-
Sessional Earnings:				
Under \$100	-	-	-	-
\$100 - 499	-	2	-	2
500 - 999	-	8	1	9
1000 - 1499	-	-	-	-
1500 - 1999	-	8	1	9
2000 - 2499	1	-	3	4
Not stated	-	1	-	1
Scholarships and Awards held:				
Restricted to Departmental subject	-	-	-	-
Open to subjects of other Departments:	-	5	-	5
Value of Awards for the year:				
Under \$100	-	-	-	-
100 - 499	-	3	-	3
500 - 999	-	2	-	2
Graduate students pursuing P.G. work				
outside of Canada:	1	31	16	48
In United States				
With scholarships or fellowships	-	13	4	17
Without scholarships or fellowships	1	7	1	9
In United Kingdom:				
With scholarships or fellowships	-	-	1	1
Without scholarships or fellowships	-	-	-	-
In Other Countries:				
With scholarships or fellowships	-	8	9	17
Without scholarships or fellowships	-	3	1	4

Departments of Philosophy
(and Psychology where included in the same Department)

	<u>Maritime Provinces</u>	<u>Central Canada</u>	<u>Western Provinces</u>	<u>Canada</u>
P.G. Students in Attendance:	-	101	56	157
Undergraduate work taken in same university:	-	49	44	93
P.G. Students employed by Universities:	-	9	20	29
(1) Part time Instructors or Lecturers	-	-	-	-
(2) Teaching Fellows	-	1	-	1
(3) Readers or Class Assistants	-	8	13	21
(4) Research Assistants	-	-	7	7
(5) Other work	-	-	-	-
Sessional Earnings:				
Under \$100	-	-	-	-
\$100 - 499	-	9	14	23
500 - 999	-	-	6	6
1000 - and over	-	-	-	-
Scholarships and Awards held:	-	4	3	7
(1) Restricted to Departmental subject	-	2	3	5
(2) Open to subjects of other Departments:	-	2	-	2
Value of Awards for the year:				
Under \$100	-	-	2	2
\$100 - 499	-	3	1	4
500 - 999	-	1	-	1
Graduate Students pursuing P.G. studies outside of Canada:				
In United States				
With scholarships or fellowships	-	5	9	14
Without scholarships or fellowships	-	1	-	1
In United Kingdom				
With scholarships or fellowships	-	2	1	3
Without scholarships or fellowships	-	1	-	1
In Other Countries				
With scholarships or fellowships	-	1	-	1
Without scholarships or fellowships	-	1	-	1

Classics Departments

	<u>Maritime Provinces</u>	<u>Central Canada</u>	<u>Western Provinces</u>	<u>Canada</u>
P.G. Students in attendance	-	1	6	7
Undergraduate work taken in same university	-	-	6	6
P.G. students employed by universities	-	-	1	1
(1) Readers or Class Assistants	-	-	1	1
Sessional Earnings				
\$100 - 499	-	-	1	1
Scholarships and Awards held:	-	-	2	2
(1) Restricted to Departmental subjects	-	-	1	1
(2) Open to subjects of other Departments:	-	-	1	1
Value of Awards for the year				
100 - 499	-	-	2	2
Graduate students pursuing P.G. studies				
outside of Canada	-	9	2	11
In United States				
With scholarships or fellowships	-	7	-	7
Without scholarships or fellowships	-	1	-	1
In United Kingdom				
With scholarships or fellowships	-	1	1	2
Without scholarships or fellowships	-	-	-	-
In Other Countries				
With scholarships or fellowships	-	-	1	1
Without scholarships or fellowships	-	-	-	-

Departments of Oriental Languages, Mediaeval Studies, East Asiatic Studies,
(Central Canada Only).

	<u>Oriental</u>	<u>Mediaeval Studies</u>	<u>East Asiatic</u>	<u>Canada</u>
P.G. Students in attendance	18	58	1	77
Undergraduate work taken in same university	14	-	1	15
Students employed by universities	-	-	-	-
Scholarships and Awards held:	-	2	1	3
(1) In Departmental subject	-	2	1	3
Value of awards for the year:				
\$100 - 499	-	3	-	3
Graduate students pursuing studies outside				
of Canada:	1	1	1	3
In United States				
With scholarships or fellowships	1	1	1	3

Summary for Social Science Departments

	<u>Maritime Provinces</u>	<u>Central Canada</u>	<u>Western Provinces</u>	<u>Canada</u>
P.G. students in attendance:	37	667	42	746
Undergraduate work taken in same university	29	416	37	482
P.G. students employed by universities:	8	158	16	182
(1) Part time Instructors or Lecturers	-	32	1	33
(2) Teaching fellows	-	37	-	37
(3) Readers, Class Assistants or Demonstrators	4	74	15	93
(4) Research Assistants	-	10	-	10
(5) Other work in university	4	5	-	9
Sessional Earnings:				
Under \$100	-	-	-	-
\$100 - 499	5	89	11	105
500 - 999	-	36	5	41
1000 - 1499	-	17	-	17
1500 - 1999	-	9	-	9
2000 - 2499	-	4	-	4
2500 and over	-	-	-	-
Not stated	3	-	-	3
Scholarships and Awards held:	3	40	1	44
(1) Restricted to Departmental subjects:	2	21	1	24
(2) Open to subjects in other Departments	1	19	-	20
Value of Awards for the year				
Under \$100	-	-	-	-
100 - 499	3	9	1	13
500 - 999	-	21	-	21
1000 - 1499	-	9	-	9
1500 - 1999	-	1	-	1
2000 - 2499	-	-	-	-
2500 and over	-	-	-	-
Graduate students pursuing P.G. studies				
outside of Canada	14	103	59	176
In United States				
With scholarships or fellowships	6	48	25	79
Without scholarships or fellowships	3	27	16	46
In United Kingdom				
With scholarships or fellowships	5	15	14	34
Without scholarships or fellowships	-	11	3	14
In Other Countries				
With scholarships or fellowships	-	2	-	2
Without scholarships or fellowships	-	-	1	1

Departments of Political Economy
(Includes Commerce, Economics, Political Science, Sociology,
Industrial Relations and Business Administration)

	<u>Maritime Provinces</u>	<u>Central Canada</u>	<u>Western Provinces</u>	<u>Canada</u>
P.G. students in attendance	11	339	15	365
Undergraduate work taken in same university	6	160	14	180
Students employed by universities:	1	65	9	75
(1) Part time Instructors or Lecturers	-	17	-	17
(2) Teaching Fellows	-	28	-	28
(3) Readers or Class Assistants	1	15	9	25
(4) Research Assistants	-	5	-	5
(5) In other work	-	-	-	-
Sessional Earnings				
Under \$100	-	-	-	-
100 - 499	1	35	9	45
500 - 999	-	8	-	8
1000 - 1499	-	9	-	9
1500 - 1999	-	9	-	9
2000 - 2499	-	4	-	4
2500 and over	-	-	-	-
Not stated	-	-	-	-
Scholarships and Awards held:	2	19	-	21
(1) Restricted to Departmental subjects	1	11	-	12
(2) Open to subjects of Other Departments	1	8	-	9
Value of Awards for the year				
Under \$100	-	-	-	-
100 - 499	2	4	-	6
500 - 999	-	10	-	10
1000 - 1499	-	4	-	4
1500 - 1999	-	1	-	1
2000 - 2499	-	-	-	-
2500 and over	-	-	-	-
Graduate students pursuing P.G. studies outside of Canada:	11	36	45	92
In United States				
With scholarships or fellowships	4	13	21	38
Without scholarships or fellowships	2	11	13	26
In United Kingdom				
With scholarships or fellowships	5	4	8	17
Without scholarships or fellowships	-	5	2	7
In Other Countries				
With scholarships or fellowships	-	2	-	2
Without scholarships or fellowships	-	1	1	2

Departments of History

	<u>Maritime Provinces</u>	<u>Central Canada</u>	<u>Western Provinces</u>	<u>Canada</u>
P.G. students in attendance	22	127	23	172
Undergraduate work taken in same university	20	59	20	99
Students employed by universities:	4	17	4	25
(1) Part time Instructors or Lecturers	-	6	-	6
(2) Teaching fellows	-	-	-	-
(3) Readers or Class Assistants	1	11	4	16
(4) Research Assistants	-	-	-	-
(5) In other work	3	-	-	3
Sessional Earnings				
Under \$100	-	-	-	-
100 - 499	2	13	1	16
500 - 999	-	4	3	7
1000 - 1499	-	-	-	-
Not stated	2	-	-	2
Scholarships and Awards held	1	9	1	11
(1) Restricted to Departmental subject	1	4	1	6
(2) Open to subjects of Other Departments	-	5	-	5
Value of Awards for the year				
Under \$100	-	-	-	-
100 - 499	1	2	1	4
500 - 999	-	3	-	3
1000 - 1499	-	4	-	4
Graduate students pursuing P.G. studies				
outside of Canada	1	33	14	48
In United States				
With scholarships or fellowships	1	12	4	17
Without scholarships or fellowships	-	10	3	13
In United Kingdom				
With scholarships or fellowships	-	9	6	15
Without scholarships or fellowships	-	4	1	5
In Other Countries				
With scholarships or fellowships	-	-	-	-
Without scholarships or fellowships	-	-	-	-

Departments of Psychology
(Where separate from Philosophy)

	Maritime Provinces	Central Canada	Western Provinces	Canada
P.G. students in attendance	4	162	4	170
Undergraduate work taken in same university	4	84	3	91
Students employed by universities:	3	59	3	65
(1) Part time Instructors or Lecturers	-	9	1	10
(2) Teaching fellows	-	5	-	5
(3) Readers or Class Assistants	2	36	2	40
(4) Research Assistant	-	5	-	5
(5) In other work	1	4	-	5
Sessional Earnings				
Under \$100	-	-	-	-
\$100 - 499	2	30	1	33
500 - 999	-	18	2	20
1000 - 1499	-	8	-	8
Not stated	4	-	-	4
Scholarships and Awards held:	-	5	-	5
(1) Restricted to Departmental subject	-	4	-	4
(2) Open to subjects of other Departments	-	1	-	1
Value of Awards for the year				
Under \$100	-	-	-	-
100 - 499	-	1	-	1
500 - 999	-	4	-	4
Graduate students pursuing P.G. studies outside of Canada:	2	14	-	16
In United States				
With scholarships or fellowships	1	9	-	10
Without scholarships or fellowships	1	4	-	5
In United Kingdom				
With scholarships or fellowships	-	-	-	-
Without scholarships or fellowships	-	1	-	1
In Other Countries				.
With scholarships or fellowships	-	-	-	-
Without scholarships or fellowships	-	-	-	-

Geography and Anthropology
(Central Canada Only)

	<u>Geography</u>	<u>Anthropology</u>
P.G. Students in attendance	39	11
Undergraduate work taken in same university	25	9
Students employed by universities:	13	4
(1) Part time Instructors or Lecturers	-	-
(2) Teaching fellows	4	-
(3) Readers or Class Assistants	8	4
(4) Research Assistants	-	-
(5) In other work	1	-
Sessional Earnings		
Under \$100	-	-
100 - 499	7	4
500 - 999	6	-
Scholarships and Awards held:		
(1) Restricted to Departmental subjects	2	-
(2) Open to subjects of other Departments	5	-
Value of Awards for the year		
Under \$100	-	-
100 - 499	2	-
500 - 999	4	-
1000 - 1499	1	-
Graduate students pursuing P.G. studies		
outside of Canada	15	5
In United States		
With scholarships or fellowships	13	1
Without scholarships or fellowships	-	2
In United Kingdom		
With scholarships or fellowships	-	-
Without scholarships or fellowships	2	1
In Other Countries		
With scholarships or fellowships	-	-
Without scholarships or fellowships	-	1

Summary for Pure Science Departments

	<u>Maritime Provinces</u>	<u>Central Canada</u>	<u>Western Provinces</u>	<u>Canada</u>
P.G. students in attendance	37	393	224	654
Undergraduate work taken in same university	30	277	193	500
P.G. students employed by universities:	29	249	180	458
(1) Part time Instructors or Lecturers	13	42	33	88
(2) Teaching fellows	2	15	8	25
(3) Readers, Class Assistants and Demonstrators	11	166	117	394
(4) Research Assistants	3	25	22	50
(5) Other work	-	1	-	1
Sessional Earnings:				
Under \$100	-	6	10	16
100 - 499	13	80	57	150
500 - 999	16	115	87	218
1000 - 1499	-	13	18	31
1500 - 1999	-	14	7	21
2000 - 2499	-	4	1	5
2500 and over	-	-	-	-
Not stated	-	17	-	17
Scholarships and Awards held	19	83	95	197
(1) Restricted to Departmental subjects	7	30	51	88
(2) Open to subjects of other Departments	12	53	44	109
Value of Awards for the year				
Under \$100	-	-	1	1
100 - 499	7	12	33	52
500 - 999	10	62	51	123
1000 - 1499	2	9	3	14
1500 - 1999	-	-	-	-
2000 - 2499	-	-	-	-
2500 and over	-	-	2	2
Not stated	-	-	5	5
Graduate students pursuing P.G. studies outside of Canada	30	113	133	276
In United States				
With scholarships or fellowships	23	63	103	189
Without scholarships or fellowships	2	35	27	64
In United Kingdom				
With scholarships or fellowships	5	11	2	18
Without scholarships or fellowships	-	4	1	5
In Other Countries				
With scholarships or fellowships	-	-	-	-
Without scholarships or fellowships	-	2	-	2

Departments of Biology - (Botany and Zoology)
(University of New Brunswick and McMaster not reported)

	<u>Maritime Provinces</u>	<u>Central Canada</u>	<u>Western Provinces</u>	<u>Canada</u>
P.G. students in attendance	9	106	76	191
Undergraduate work taken in same university:	6	53	63	122
P.G. students employed by universities	9	75	56	140
(1) Part time Instructors or Lecturers	5	5	5	15
(2) Teaching fellows	-	1	2	3
(3) Readers, Class Assistants or Demonstrators	1	63	40	104
(4) Research Assistants	3	6	9	18
(5) Other work	-	-	-	-
Sessional Earnings:				
Under \$100	-	-	1	1
\$100 - 499	2	31	16	49
500 - 999	7	37	34	78
1000 -1499	-	5	3	8
1500 -1999	-	2	2	4
Scholarships and Awards held	7	24	15	46
(1) Restricted to Departmental subjects	1	11	9	21
(2) Open to subjects in other Departments	6	13	6	25
Value of Awards for the year				
Under \$100	-	-	1	1
\$100 - 499	6	3	11	20
500 - 999	1	19	2	22
1000 - 1499	-	2	-	2
Not stated	-	-	1	1
Graduate students pursuing P.G. studies				
outside of Canada	3	16	16	35
In United States				
With scholarships or fellowships	2	11	13	26
Without scholarships or fellowships	-	5	3	8
In United Kingdom				
With scholarships or fellowships	1	-	-	1
Without scholarships or fellowships	-	-	-	-
In Other Countries				
With scholarships or fellowships	-	-	-	-
Without scholarships or fellowships	-	-	-	-

Departments of Chemistry
(McGill University and Acadia not reported)

	<u>Maritime Provinces</u>	<u>Central Canada</u>	<u>Western Provinces</u>	<u>Canada</u>
P.G. students in attendance	10	62	51	123
Undergraduate work taken in same university	10	32	45	87
Students employed by universities:	8	46	39	93
(1) Part time Instructors or Lecturers	-	4	10	14
(2) Teaching fellows	-	1	6	7
(3) Readers, Class Assistants or Demonstrators	8	41	14	63
(4) Research Assistants	-	-	9	9
(5) In other work	-	-	-	-
Sessional Earnings:				
Under \$100	-	-	1	1
\$100 - 499	3	14	6	23
500 - 999	5	29	27	61
1000 - 1499	-	1	2	3
1500 - 1999	-	1	2	3
2000 - 2499	-	1	1	2
Scholarships and Awards held	2	20	26	48
(1) Restricted to Departmental subject	2	2	6	10
(2) Open to subjects of other Departments	-	18	20	38
Value of Awards for the year				
Under \$100	-	-	-	-
\$100 - 499	1	2	3	6
500 - 999	1	16	22	39
1000 - 1499	-	2	1	3
Graduate students pursuing P.G. studies				
outside of Canada	13	27	71	111
In United States				
With scholarships or fellowships	10	15	66	91
Without scholarships or fellowships	1	9	4	14
In United Kingdom				
With scholarships or fellowships	2	1	1	4
Without scholarships or fellowships	-	1	-	1
In Other Countries				
With scholarships or fellowships	-	-	-	-
Without scholarships or fellowships	-	1	-	1

Departments of Geological Sciences

	<u>Maritime Provinces</u>	<u>Central Canada</u>	<u>Western Provinces</u>	<u>Canada</u>
P.G. students in attendance	6	96	45	147
Undergraduate work taken in same university	5	39	39	83
Students employed by universities	2	51	26	79
(1) Part time Instructors or Lecturers	2	11	4	17
(2) Teaching fellows	-	-	-	-
(3) Readers, Class Assistants or Demonstrators	-	38	28	66
(4) Research Assistants	-	1	-	1
(5) In other work	-	1	-	1
Sessional Earnings:				
Under \$100	-	4	7	11
100 - 499	1	19	19	39
500 - 999	1	23	6	30
1000 - 1499	-	5	-	5
Scholarships or Awards held	2	12	7	21
(1) Restricted to Departmental subjects	2	6	6	14
(2) Open to subjects of other Departments	-	6	1	7
Value of Awards for the year				
Under \$100	-	-	-	-
100 - 499	-	1	3	4
500 - 999	-	7	2	9
1000 - 1499	2	4	-	6
Graduate students pursuing P.G. studies				
outside Canada	2	18	20	40
In United States				
With scholarships or fellowships	1	11	12	24
Without scholarships or fellowships	-	6	8	14
In United Kingdom				
With scholarships or fellowships	1	1	-	2
Without scholarships or fellowships	-	-	-	-
In Other Countries				
With scholarships or fellowships	-	-	-	-
Without scholarships or fellowships	-	-	-	-

Departments of Mathematics and Astronomy
(McGill University not reported).

	<u>Maritime Provinces</u>	<u>Central Canada</u>	<u>Western Provinces</u>	<u>Canada</u>
P.G. students in attendance	2	62	5	69
Undergraduate work taken in same university	2	38	5	45
Students employed by universities	-	27	5	32
(1) Part time Instructors	-	15	5	20
(2) Teaching fellows	-	10	-	10
(3) Readers, Class Assistants or Demonstrators	-	2	-	2
(4) Research Assistants	-	-	-	-
(5) In other work	-	-	-	-
Sessional Earnings				
Under \$100	-	-	-	-
100 - 499	-	4	1	5
500 - 999	-	12	-	12
1000 - 1499	-	1	-	1
1500 - 1999	-	10	4	14
Scholarships and Awards held	-	6	4	10
(1) Restricted to Departmental subjects	-	-	4	4
(2) Open to subjects in other Departments	-	6	-	6
Value of Awards for the year				
Under \$100	-	-	-	-
100 - 499	-	1	1	2
500 - 999	-	5	1	6
1000 - 1499	-	-	2	2
Graduate students pursuing P.G. work outside Canada	6	21	9	36
In United States				
With scholarships or fellowships	5	10	7	22
Without scholarships or fellowships	1	5	2	8
In United Kingdom				
With scholarships or fellowships	-	3	-	3
Without scholarships or fellowships	-	2	-	2
In Other Countries				
With scholarships or fellowships	-	-	-	-
Without scholarships or fellowships	-	1	-	1

Departments of Physics
(University of Toronto not reported)

	<u>Maritime</u> <u>Provinces</u>	<u>Central</u> <u>Canada</u>	<u>Western</u> <u>Provinces</u>	<u>Canada</u>
P.G. students in attendance	10	67	53	130
Undergraduate work taken in same university	7	32	47	86
Students employed by universities	10	50	48	108
(1) Part time Instructors or Lecturers	6	7	9	22
(2) Teaching fellows	2	3	-	5
(3) Readers, Class Assistants or Demonstrators	2	22	35	59
(4) Research Assistants	-	18	4	22
(5) In other work	-	-	-	-
Sessional Earnings				
Under \$100	-	2	-	2
\$100 - 499	7	12	16	35
500 - 999	3	14	20	37
1000 - 1499	-	1	9	10
1500 - 1999	-	1	3	4
2000 - 2499	-	3	-	3
2500 and over	-	-	-	-
Not stated	-	17	-	17
Scholarships and Awards held	8	21	43	72
(1) Restricted to Departmental subject	2	11	26	39
(2) Open to subjects in other Departments	6	10	17	33
Value of Awards for the year				
Under \$100	-	-	-	-
\$100 - 499	-	5	15	20
500 - 999	8	15	24	47
1000 - 1499	-	1	-	1
1500 - 1999	-	-	-	-
2000 - 2499	-	-	-	-
2500 and over	-	-	2	2
Not stated	-	-	2	2
Graduate students pursuing P.G. studies outside of Canada	6	33	26	65
In United States				
With scholarships or fellowships	5	16	12	33
With scholarships or fellowships	-	10	12	22
In United Kingdom				
With scholarships or fellowships	1	6	1	8
Without scholarships or fellowships	-	1	1	2
In Other Countries				
With scholarships or fellowships	-	-	-	-
Without scholarships or fellowships,	-	-	-	-

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